

HALL A

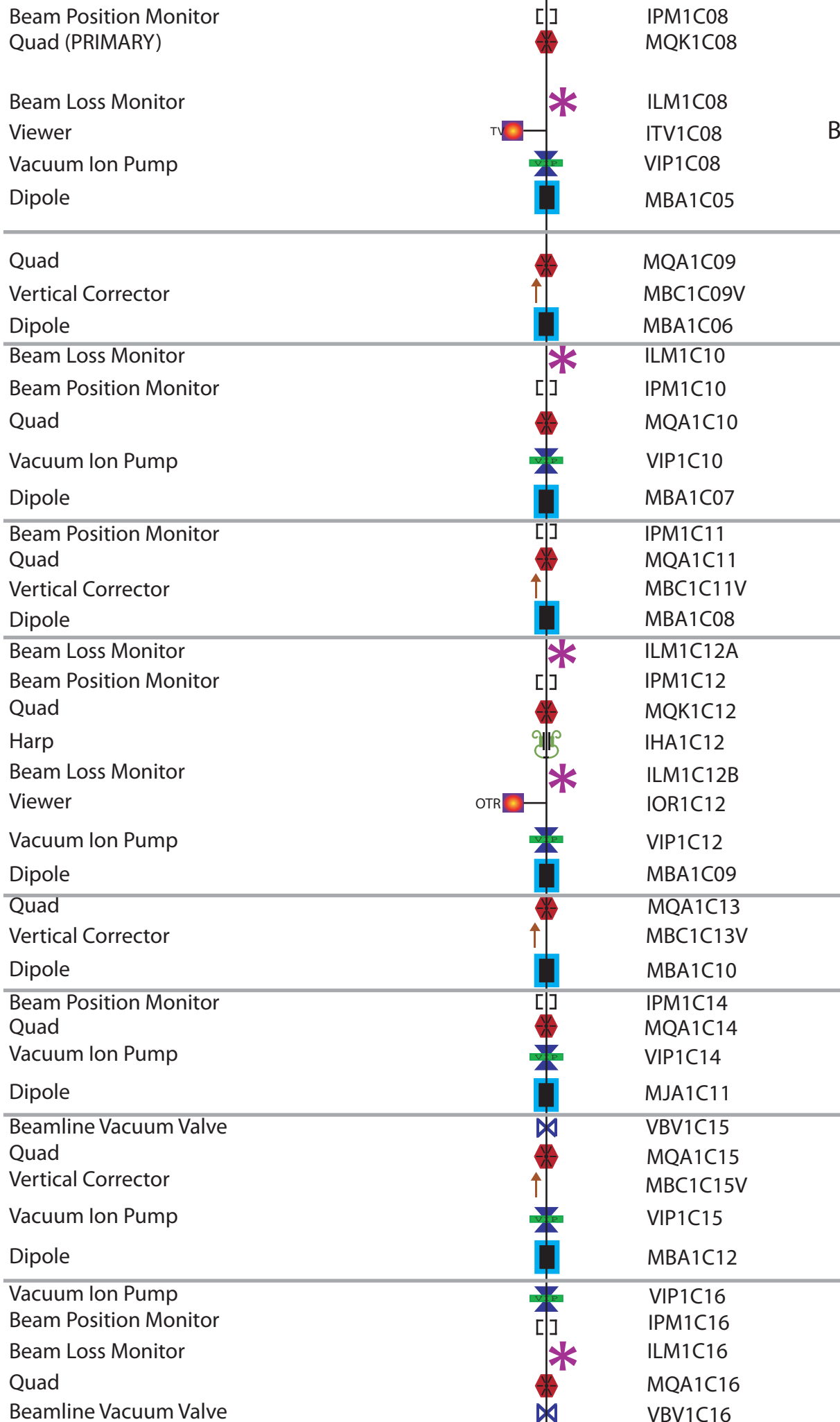
BEAM LINE

BSY: Lambertson to 1C08

Lambertson 1C		MZB1C02
Vacuum Ion Pump		VIP4T09D
Vertical Corrector		MBD1C00V
Beam Position Monitor		IPM1C00
Beamline Vacuum Valve		VBV1C00A
Vertical Corrector		MBD1C00AV
Beam Position Monitor		IPM1C01
Quad		MQA1C01
Horizontal Corrector		MBC1C01H
<i>Horizontal Position Modulation Corrector (disconnected)</i>		
Vacuum Ion Pump		VIP1C01
Beam Position Monitor		IPM1C02
Quad		MQK1C02
Horizontal Energy Modulation Corrector (FFB)		MHF1C02V
Vertical Corrector		MBC1C02V
Beam Position Monitor		IPM1C03
Quad		MQA1C03
Horizontal Corrector		MBC1C03H
<i>Horizontal Position Modulation Corrector (disconnected)</i>		
Vacuum Ion Pump		VIP1C03
Dipole		MJF1C04
Beam Position Monitor		IPM1C04
Quad		MQK1C04
Horizontal & Vertical Corrector		MBC1C04H/V
<i>FFB Vertical Corrector (disconnected)</i>		
Vacuum Ion Pump		VIP1C04
<i>FFB Horizontal Corrector (disconnected)</i>		
Horizontal Energy Modulation Corrector (FFB)		MHF1C04H
Beam Position Monitor		IPM1C05
Quad		MQK1C05
Vertical Corrector		MBC1C05V
Beamline Vacuum Valve		VBV1C05A
Vacuum Ion Pump		VIP1C05A
Harp		IHA1C05
Dumplette		IDA1C05
Beamline Vacuum Valve		VBV1C06
Beam Position Monitor		IPM1C06
Quad		MQA1C06
Horizontal & Vertical Corrector		MBC1C06H/V
Horizontal Energy Modulation Corrector (FFB)		MHF1C06H
Vacuum Ion Pump		VIP1C06
<i>Horizontal Air Core Corrector (disconnected)</i>		
Happex Cavity BPM		IPM1C06
Happex BCM		IBC1C06
Beam Stopper (20 mm aperture)		SSS1C06 /A
Beam Position Monitor		IPM1C07
Quad (PRIMARY)		MQA1C07
Horizontal & Vertical Corrector		MBC1C07H/V
Vertical Energy Modulation Corrector (FFB)		MHF1C07V
Vacuum Ion Pump		VIP1C07
Horizontal Energy Modulation Corrector (FFB)		MHF1C07V
Harp		IHA1C07A
Harp		IHA1C07B

HALL A BEAM LINE

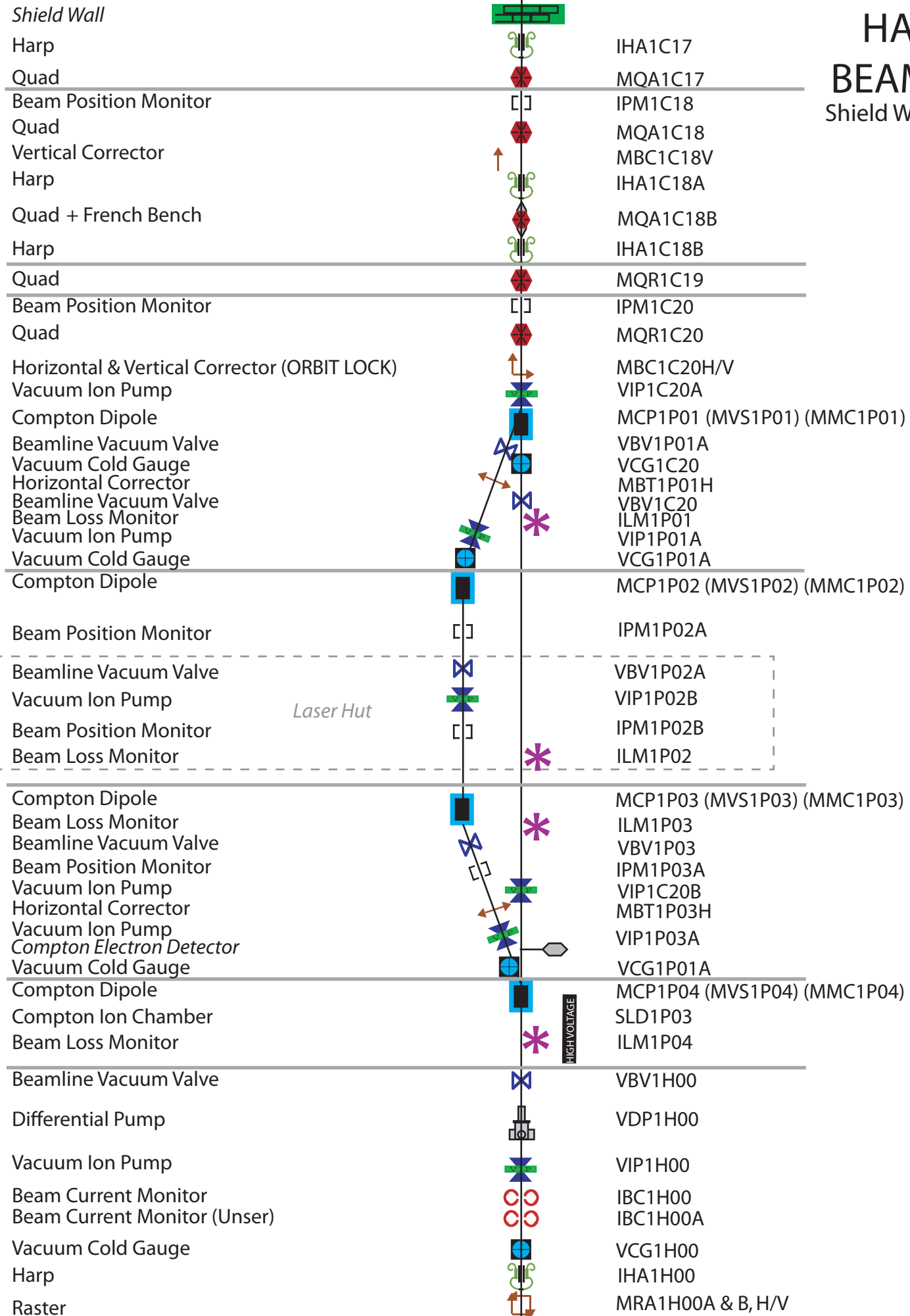
BSY: 1C08 to Shield Wall



HALL A

BEAM LINE

Shield Wall to Raster



HALL A BEAM LINE

Raster Area to Dump

Beamline Vacuum Valve



VBV1H00A

Transport Ion Chamber

SLD1H00

Vacuum Turbo Pump

VTP1H00

Beam Current Monitors

IBC1H01A, B, C

Beamline Vacuum Valve

VBV1H01

Beam Position Monitor

IPM1H01

Quad (SECONDARY)

MQK1H01

Horizontal & Vertical Corrector

MAT1H01H/MBC1H01V

Moller Target

Moller Quad

MQM1H02

Moller Quad

MQM1H02A

Moller Quad

MQO1H03

Moller Quad

MQO1H03A

Moller Dipole

MMA1H01

Moller Detector

Vertical Corrector

MBD1H04V

Quad

MQA1H04

*Inverted
Girder*

Beam Position Monitor

IPM1H04

Horizontal Corrector

MBD1H04H

Beam Current Monitor/BPM

IPM1H04A+IBC1H04A

Harp

IHA1H04A

Beam Current Monitor/BPM

IPM1H04+IBC1H04B

Calorimeter

IFY1H00

Vacuum Turbo Pump

VTP1H04

Vacuum Cold Gauge

VCG1H04

Beam Current Monitor/BPM

IPM1H04C+IBC1H04C

Beam Position Monitor

IPM1H04D

Harp

IHA1H04B

Beamline Vacuum Valve

VBV1H04B

Target

Target Ion Chamber

HIGH VOLTAGE

SLD1H05A

Septum Magnet

Beamline Vacuum Valve

VBV1H04C

Electron/Hadron Arm Q1

Vacuum Turbo Pump

VTP1H04A

Electron/Hadron Arm Q2

Lumi Ion Chamber

HIGH VOLTAGE

SLD1H06

Electron/Hadron Arm Q3

Beam Dump Viewer

TV

ITV1D00

Electron/Hadron Arm Detectors

Left/Right Dump Ion Chamber

HIGH VOLTAGE

SLD1H07/
SLD1H08

High Power Beam Dump

HIGH VOLTAGE